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EXAMINER

RAMPURIA, SHARAD K

ART UNIT	PAPER NUMBER
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2683

DATE MAILED: 01/30/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/023,525

Applicant(s)

HALLER ET AL.

Examiner

Sharad Rampuria

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-55 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-55 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 7. 6) ☐ Other: \_\_\_\_.

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## DETAILED ACTION

### *Claim Objections*

The numbering of claims is not in accordance with 37 CFR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest numbered claims previously presented (whether entered or not).

Misnumbered claim 35 been renumbered 34.

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

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Claims 1-3, 9-11, 16, 25-28, 37-39, 42, 44, 46, 47, 50-51, 54 are rejected under 35 U.S.C. 102 (e) as being anticipated by Dooley et al.

- 1) Regarding claim 1, Dooley disclosed A method, comprising the steps of:
  - (a) obtaining information from a first short distance wireless network; (Page.3; 0027) and,
  - (b) making a business decision responsive to the information. (Page.3; 0028)
- 2) Regarding claim 2, Dooley disclosed The method of claim 1, wherein the obtaining step includes the step of obtaining the information from a Bluetooth device. (Page.3; 0027)
- 3) Regarding claim 3, Dooley disclosed The method of claim 1, wherein the obtaining step includes the step of obtaining the information from a device having a 2.4 GHz transceiver. (Page.3; 0036)
- 9) Regarding claim 9, Dooley disclosed The method of claim 1, wherein the obtaining step includes the step of obtaining the information from a cellular telephone, in the short distance wireless network, communicating with a Wide Area Network ("WAN").(Page.3; 0032)
- 10) Regarding claim 10, Dooley disclosed The method of claim 1, wherein the obtaining step further includes the step of obtaining information from a second short distance wireless network. (Page.3; 0033)
- 11) Regarding claim 11, Dooley disclosed The method of claim 1, wherein the information is WAN telecommunication usage of a device in the first short distance wireless network. (Page.3; 0032)
- 16) Regarding claim 16, Dooley disclosed The method of claim 1, wherein the making step includes the step of downloading a software component to a device in the short distance wireless,

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wherein the software component provides a service to the short distance wireless network.

(Page.3; 0028).

25) Regarding claim 25, Dooley disclosed A method for making a business decision, comprising the steps of:

(a) obtaining device information from a device in a short distance wireless network; (Page.3; 0027) and,

(b) providing a user of the short distance wireless network with an object responsive to the device information. (Page.3; 0028)

26) Regarding claim 26, Dooley disclosed The method of claim 25, wherein the device is a cellular telephone. (10; Fig.1; Page.3; 0028)

27) Regarding claim 27, Dooley disclosed The method of claim 25, wherein the device is a Bluetooth device communicating with a cellular device. (Page.3; 0027)

28) Regarding claim 28, Dooley disclosed The method of claim 25, wherein the obtaining step further includes the step of obtaining user information from a database in a wide area network and the providing step is responsive to the device information and the user information. (Page.3; 0032)

37) Regarding claim 37, Dooley disclosed The method of claim 25, wherein the information is a telecommunication usage on a wide area network and the object is a message for limiting the telecommunication usage. (Page.3; 0032)

38) Regarding claim 38, Dooley disclosed The method of claim 28, wherein the obtaining step further comprises the steps of:

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(c) generating a short range radio signal, containing the information, from the Bluetooth device, to a cellular device; (Page.3; 0027) and,

(d) generating a cellular signal, containing the information, from the cellular device to a processing device in a wide area network. (Page.3; 0028)

39) Regarding claim 39, Dooley disclosed The method of claim 38, wherein the generating a short range radio signal is responsive to a user input. (key; Page.3; 0028)

42) Regarding claim 42, Dooley disclosed The method of claim 26, wherein the obtaining step further comprises the step of:

(c) generating a cellular signal, containing the device information, responsive to a request message. (Page.3; 0028)

44) Regarding claim 44, Dooley disclosed The method of claim 25, wherein the device includes a short range radio processor and a 2.4 GHZ transceiver. (Page.3; 0036)

46) Regarding claim 46, Dooley disclosed The method of claim 25, wherein the device is selected from a group consisting of a desktop computer, a laptop computer, a personal digital assistant, a headset, a pager, a printer, a watch, a thin terminal, a digital camera and an equivalent. (Page.3; 0027)

47) Regarding claim 47, Dooley disclosed The method of claim 25, wherein the short distance wireless network is a Bluetooth network. (Page.3; 0027)

50) Regarding claim 50, Dooley disclosed A system for providing an object to a user of a short distance wireless network, comprising:

(a) a device for generating a short-range radio signal containing device information; (Page.3; 0027)

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(b) a cellular device for generating a cellular signal, containing the device information, responsive to the short-range radio signal; (Page.3; 0027) and,

(c) a processing device, having a database containing user information, for providing an object to the user responsive to the device information and the user information. (Page.3; 0034)

51) Regarding claim 51, Dooley disclosed The system of claim 50, wherein the processing device is in a wide area network and the object is an invoice for usage of the device on the wide area network. (Page.3; 0032)

54) Regarding claim 54, Dooley disclosed An article of manufacturer, including a computer readable medium, comprising:

(a) a short-range radio software component for receiving a short range radio signal, containing a usage information of a device, in a short distance wireless network responsive to a message request; (Page.3; 0027) and,

(b) a cellular software component for generating a cellular signal, containing the usage information of the device, in the cellular network. (Page.3; 0028)

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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Claims 4, 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dooley et al. in view of Barnett.

4) Regarding Claim 4, Dooley disclosed all the particulars of the claim except a 5.7 GHz transceiver. However, Barnett teaches in an analogous art, that The method of claim 1, wherein the obtaining step includes the step of obtaining the information from a device having a 5.7 GHz transceiver. (Col.6; 29-35) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a 5.7 GHz transceiver in order to operate remotely.

46) Regarding Claim 46, Dooley disclosed all the particulars of the claim except a 5.7 GHz transceiver. However, Barnett teaches in an analogous art, that The method of claim 25, wherein the device includes a short range radio processor and a 5.7 GHZ transceiver. (Col.6; 29-35) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a 5.7 GHz transceiver in order to operate remotely.

Claims 5-8, 40-41, 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dooley et al. in view of Borgstahl et al.

5) Regarding Claim 5, Dooley disclosed all the particulars of the claim except a cellular modem. However, Borgstahl teaches in an analogous art, that The method of claim 1, wherein the obtaining step includes the step of obtaining the information from a cellular modem, in the short distance wireless network, communicating with a Wide Area Network ("WAN") (Col.5; 38-48). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention



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to include a cellular modem in order to support an infrastructure in portability and movability of nodes.

6) Regarding claim 6, Dooley disclosed The method of claim 5, wherein the obtaining the information from a cellular modem step is in response to a request from a server in the WAN.

(Page.3; 0032)

7) Regarding Claim 7, Dooley disclosed all the particulars of the claim except a cellular modem. However, Borgstahl teaches in an analogous art, that The method of claim 5, wherein the obtaining the information from a cellular modem is generated periodically by the cellular modem. (Col.6; 16-32). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a cellular modem in order to support an infrastructure in portability and movability of nodes.

8) Regarding Claim 8, Dooley disclosed all the particulars of the claim except a cellular modem. However, Borgstahl teaches in an analogous art, that The method of claim 5, wherein the obtaining information from a cellular modem is generated in response to a user input. (Col.5; 38-48). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a cellular modem in order to support an infrastructure in portability and movability of nodes.

40) Regarding Claim 40, Dooley disclosed all the particulars of the claim except radio signal is generated periodically. However, Borgstahl teaches in an analogous art, that The method of claim 38, wherein the generating a short range radio signal is generated periodically. (Col.6; 16-32). Therefore, it would have been obvious to one of ordinary skill in the art at the time of

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invention to include radio signal is generated periodically in order to support an infrastructure in portability and movability of nodes.

41) Regarding Claim 41, Dooley disclosed all the particulars of the claim except a threshold value and a device value. However, Borgstahl teaches in an analogous art, that The method of claim 38, wherein the generating a short range radio signal is responsive to a comparison between a threshold value and a device value. (Col.6; 16-32). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a threshold value and a device value in order to support an infrastructure in portability and movability of nodes.

44) Regarding Claim 44, Dooley disclosed all the particulars of the claim except radio signal is generated periodically. However, Borgstahl teaches in an analogous art, that The method of claim 42, wherein the request message is generated periodically. (Col.6; 16-32). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include radio signal is generated periodically in order to support an infrastructure in portability and movability of nodes.

Claims 12-15, 29-31, 48, 52-53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dooley et al. in view of Bigwood et al.

12) Regarding Claim 12, Dooley disclosed all the particulars of the claim except an indication of the health of a device. However, Bigwood teaches in an analogous art, that The method of claim 1, wherein the information is an indication of the health of a device in the first short distance wireless network. (Page.3; 0043-0044). Therefore, it would have been obvious to one of ordinary

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skill in the art at the time of invention to include an indication of the health of a device in order to provide an automatically updated database of the current condition of the device.

13) Regarding Claim 13, Dooley disclosed all the particulars of the claim except an indication of the health of a battery. However, Bigwood teaches in an analogous art, that The method of claim 1, wherein the information is an indication of the health of a battery of a device in the first short distance wireless network. (Page.3; 0043-0044). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an indication of the health of a device in order to provide an automatically updated database of the current condition of the battery.

14) Regarding Claim 14, Dooley disclosed all the particulars of the claim except an indication of the health of a device. However, Bigwood teaches in an analogous art, that The method of claim 12, wherein the making step includes the step of providing a user of the short distance wireless network with a replacement device. (Page.3; 0043-0044). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an indication of the health of a device in order to provide an automatically updated database of the current condition of the device.

15) Regarding Claim 15, Dooley disclosed all the particulars of the claim except an indication of the health of a battery. However, Bigwood teaches in an analogous art, that The method of claim 13, wherein the making step includes the step of providing a user of the short distance wireless network with a replacement battery. (Page.3; 0043-0044). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an indication of the health of a device in order to provide an automatically updated database of the current condition of the battery.

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29) Regarding Claim 29, Dooley disclosed all the particulars of the claim except an indication of the health of a battery. However, Bigwood teaches in an analogous art, that The method of claim 25, wherein the device information includes an indication of a battery life of the device and the object is a battery. (Page.3; 0043-0044). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an indication of the health of a device in order to provide an automatically updated database of the current condition of the battery.

30) Regarding Claim 30, Dooley disclosed all the particulars of the claim except an indication of the health of a battery. However, Bigwood teaches in an analogous art, that The method of claim 29, wherein the providing step includes the step of mailing the battery to the user. (Page.3;0047). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an indication of the health of a device in order to provide an automatically updated database of the current condition of the battery.

31) Regarding Claim 31, Dooley disclosed all the particulars of the claim except an indication of the health of a battery. However, Bigwood teaches in an analogous art, that The method of claim 25, wherein the device information includes the health of the device and the object includes a replacement device. (Page.3; 0043-0044). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an indication of the health of a device in order to provide an automatically updated database of the current condition of the battery.

48) Regarding claim 48, Dooley disclosed A method for providing a user with a battery, comprising the steps of:

(b) generating a cellular signal, containing the information, from the cellular device to a processing device in a wide area network; (Page.3; 0027) and,

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(c) providing the user of the short distance wireless network with the battery for the device responsive to the information. (Page.3; 0028)

Dooley fails to disclosed information regarding a battery life. However, Bigwood teaches in an analogous art, that (a) generating a short-range radio signal, containing information regarding a battery life of a device, from the device in a short distance wireless network to a cellular device; (Page.3; 0043-0044). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include information regarding a battery life in order to provide an automatically updated database of the current condition of the battery.

52) Regarding Claim 52, Dooley disclosed all the particulars of the claim except an indication of the battery life. However, Bigwood teaches in an analogous art, that The system of claim 50, wherein the object is a battery and the device information includes the battery life of the device. (Page.3; 0043-0044). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include information regarding a battery life in order to provide an automatically updated database of the current condition of the battery.

53) Regarding Claim 53, Dooley disclosed all the particulars of the claim except an indication of the status of the device. However, Bigwood teaches in an analogous art, that The system of claim 50, wherein the object is a replacement device and the device information includes the status of the device. (Page.3; 0043-0044). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an indication of the status of the device in order to provide an automatically updated database of the current condition of the device.

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Claims 17-24, 32-36, 49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dooley et al. in view of Gorsuch.

17) Regarding Claim 17, Dooley disclosed all the particulars of the claim except an invoice.

However, Gorsuch teaches in an analogous art, that The method of claim 1, wherein the making step includes the step of generating an invoice for a user of the first short distance wireless network. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an invoice in order to maintain a wireless link in pricing plan in traffic area.

18) Regarding Claim 18, Dooley disclosed all the particulars of the claim except an invoice.

However, Gorsuch teaches in an analogous art, that The method of claim 17, wherein the invoice includes a first charge for a first manufacturer device in the short distance wireless network. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an invoice in order to maintain a wireless link in pricing plan in traffic area.

19) Regarding Claim 19, Dooley disclosed all the particulars of the claim except an invoice.

However, Gorsuch teaches in an analogous art, that The method of claim 17, wherein the invoice includes a first charge for a device, in the short distance wireless network, transferring a first type of data on a wide area network and a second charge for the device transferring a second type of data on the wide area network. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an invoice in order to maintain a wireless link in pricing plan in traffic area.

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20) Regarding Claim 20, Dooley disclosed all the particulars of the claim except an invoice.

However, Gorsuch teaches in an analogous art, that The method of claim 17, wherein the invoice includes a first charge for a first type of device, in the short distance wireless network, for accessing a wide area network and a second charge for second type of device, in the short distance wireless network, accessing the wide area network. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an invoice in order to maintain a wireless link in pricing plan in traffic area.

21) Regarding Claim 21, Dooley disclosed all the particulars of the claim except an invoice.

However, Gorsuch teaches in an analogous art, that The method of claim 19, wherein the transferring the first type of data is during a first period of time and the transferring the second type of data is during a second period of time. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an invoice in order to maintain a wireless link in pricing plan in traffic time.

22) Regarding Claim 22, Dooley disclosed all the particulars of the claim except an invoice.

However, Gorsuch teaches in an analogous art, that The method of claim 1, wherein the making step includes the step of generating a pricing plan for a user of the first short distance wireless network responsive to the information. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an invoice in order to maintain a wireless link in pricing plan in traffic area.

23) Regarding Claim 23, Dooley disclosed all the particulars of the claim except an invoice.

However, Gorsuch teaches in an analogous art, that The method of claim 10, wherein the making step includes the step of providing a promotional plan for a first user of the first short distance

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wireless network and a second user of the second short distance wireless network. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an invoice in order to maintain a wireless link in pricing plan in traffic area.

24) Regarding Claim 24, Dooley disclosed all the particulars of the claim except an invoice.

However, Gorsuch teaches in an analogous art, that The method of claim 23, wherein the providing a promotional plan step includes providing the first user a device, at a discounted cost, for the first short distance wireless network. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an invoice in order to maintain a wireless link in pricing plan in traffic area.

32) Regarding Claim 32, Dooley disclosed all the particulars of the claim except an invoice.

However, Gorsuch teaches in an analogous art, that The method of claim 28, wherein the device information is a telecommunication usage of the device on the wide area network and the object is an invoice for charges associated with the telecommunication usage. (Page.3; 0039-0041).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an invoice in order to maintain a wireless link in pricing plan in traffic area.

33) Regarding Claim 33, Dooley disclosed all the particulars of the claim except a pricing plan.

However, Gorsuch teaches in an analogous art, that The method of claim 32, wherein the user information includes a pricing plan of the user and the wide area network includes a cellular network. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a pricing plan in order to maintain a wireless link in pricing plan in traffic area.



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34) Regarding Claim 34, Dooley disclosed all the particulars of the claim except the charges.

However, Gorsuch teaches in an analogous art, that The method of claim 33, wherein the charges are a function of a device type. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include the charges in order to maintain a wireless link in pricing plan in traffic area.

35) Regarding Claim 35, Dooley disclosed all the particulars of the claim except the charges.

However, Gorsuch teaches in an analogous art, that The method of claim 33, wherein the charges are a function of the period of time of the telecommunication usage. (Page.3; 0039-0041).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include the charges in order to maintain a wireless link in pricing plan in traffic time.

36) Regarding Claim 36, Dooley disclosed all the particulars of the claim except the charges.

However, Gorsuch teaches in an analogous art, that The method of claim 33, wherein the charges are a function of the type of data transferred during the telecommunication usage. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include the charges in order to maintain a wireless link in pricing plan in traffic time.

49) Regarding claim 49, Dooley disclosed A method for billing a user of a telecommunication network, comprising the steps of:

(a) generating a short-range radio signal, containing usage information of a device on the telecommunication network, from the device in a short distance wireless network to a cellular device; (Page.3; 0027)

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(b) generating a cellular signal, containing the usage information, from the cellular device to a processing device in the telecommunication network; (Page.3; 0028) and,

Dooley fails to disclosed information regarding an invoice. However, Bigwood teaches in an analogous art, that (c) providing the user with an invoice for charges associated with the usage information. (Page.3; 0039-0041). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include an invoice in order to maintain a wireless link in pricing plan in traffic area.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is 703-308-4736. The examiner can normally be reached on Mon-Thu. (6:30-4:00) alternate Fri.( 6:30-3:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 703-308-5318. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.

SK  
January 22, 2003

Lee Nguyen  
Primary Examiner 